

PANEL "A": 200A - MLO - 120/240V - 1φ - 4W 10K A.I.C. - FLUSH - 40 S.L.O.T.											
CIR. NO.	LOCATION	TRIP/POLES	WIRE SIZE	LOAD	L1 KW	L2 KW	LOAD	WIRE SIZE	TRIP/POLES	LOCATION	CIR. NO.
1	LED Ltg. LIVING AREA	5A/1P	14TW	0.26	0.63		0.36	12TW	20A/1P	RESTROOMS	2
3	LED Ltg. HANGER	"	"	0.31	1.30		0.30	14TW	"	GFI RECEPT	4
5	PIR LED FLOOD Ltg	"	"	0.22			1.08	14TW	5A/1P	"	6
7	HANGER CLG FANS (4)	"	"	0.72	1.80		1.08	12TW	REF.	"	8
9	FORCH CLG FANS (4)	"	"	1.44	3.60		2.16	12TW	20A/1P	HANGER GFI RECEPT.	10
11	LED DOOR Ltg.	"	"	0.36	1.80		1.44	10TW	240V RECEPT	"	12
13	GELING RECEPT.	20A/1P	12TW	0.36	1.80		1.44	10TW	W/CIR. N/12	"	14
15	STORAGE RECEPT.	"	"	1.08	2.52		1.44	10TW	240V RECEPT	"	16
17	LIVING RTR RECEPT.	5A/1P	14TW	1.08	2.52		1.44	10TW	W/CIR. N/16	"	18
19	5A/1P	"	"	1.08	2.52		1.44	10TW	W/CIR. N/16	"	20
21	ELIH - 11 KW NEST.	60A/2P	6TW	5.50	5.08		4.00	10TW	W/CIR. N/20	"	22
23	W/CIR. N/23	"	"	5.50	5.94		4.44	10TW	FOILER LIFT DOOR	"	24
25	MINI-SPLIT N-1 - 5T	"	"	2.05	3.15		1.08	10TW	W/CIR. N/24	"	26
27	W/ CIR. N- 27	"	"	1.08	2.16		1.08	10TW	MINI-SPLIT N- 2 - 2T	"	28
29	SPARE	"	"	1.08	2.16		1.08	10TW	W/ CIR. N- 28	"	30
31	SPARE	"	"	1.08	2.16		1.08	10TW	SPARE	"	32
33	"	"	"	1.08	2.16		1.08	10TW	"	"	34
35	"	"	"	1.08	2.16		1.08	10TW	"	"	36
37	"	"	"	1.08	2.16		1.08	10TW	"	"	38
39	"	"	"	1.08	2.16		1.08	12TW	WELL PUMP	"	40
FEEDER SIZE: 1 # 1/0 - AL - GND, 3/4" C.				2831		2196					
L1 28.31 KW / 120 V x 2.258 9 AMPERS											
L2 21.96 KW / 120 V x 2.233 9 AMPERS											

Electrical SYMBOLS

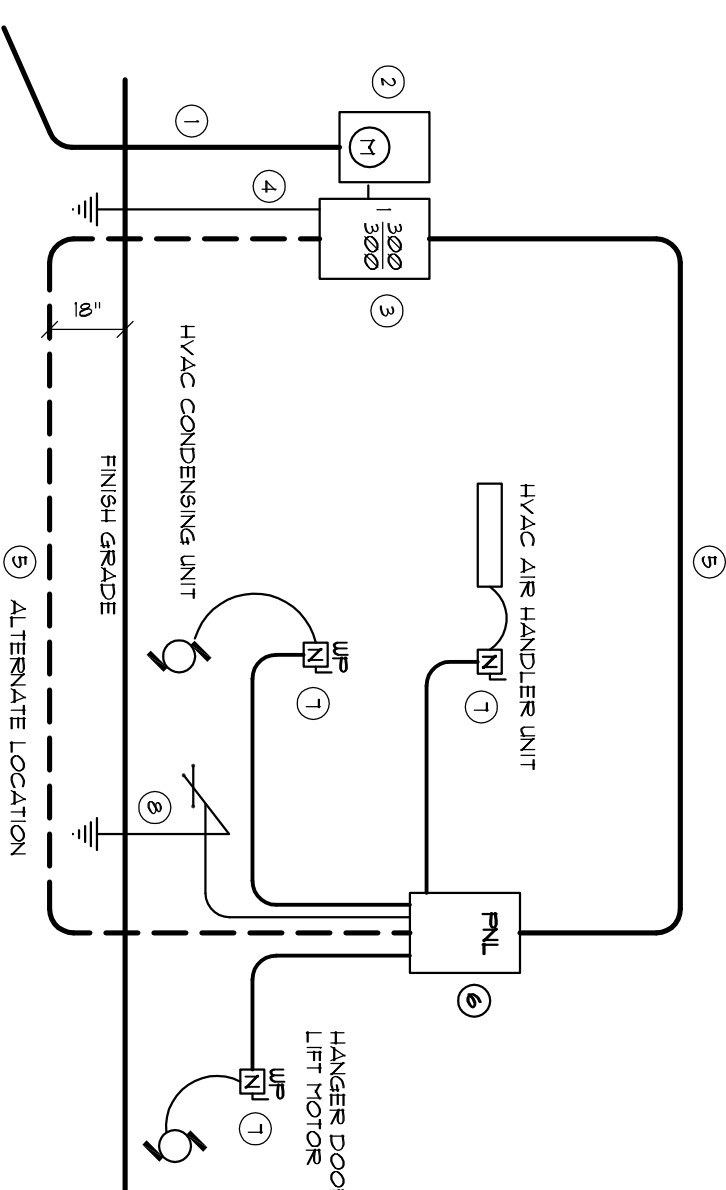
POWER

- ⊕ DUPLEX WALL RECEPTACLE
- ⊕ DUPLEX WALL RECEPT. BELOW COUNTER
- ⊕ 240V OUTLET
- ⊕ GND FAULT INTERRUPTER DUPLEX RECEPT.
- ⊕ WEATHER PROOF GFI DUPLEX RECEPT.
- ⊕ DUPLEX CEILING GFI RECEPTACLE
- ⊕ JUNCTION BOX
- ⊕ MOTOR (SP - SUBVERSIBLE PUMP)
- ⊕ ELECTRICAL PANEL
- ⊕ ELECTRICAL PANEL
- ⊕ EXHAUST FAN
- ⊕ SMOKE DETECTOR 120V
- ⊕ NON-FLUORESC. SWITCH

LIGHTING

- ⊕ 980T WALL SWITCH
- ⊕ DPDT WALL SWITCH (3-WAY)
- ⊕ CEILING FAN W/ INC. LIGHT FIXTURE
- ⊕ 4 LAMP FLU. RECYCLING WRAP SURFACE FIXTURE
- ⊕ LED OR CFL LIGHT FIXTURE
- ⊕ DBL. LAMP INC. FLOOD LIGHT
- ⊕ SWITCH/FIXTURE WIRING
- ⊕ CONTROL WIRE / LOW VOLTAGE
- ⊕ TIME CLOCK

EQUIVALENT WATTAGES	
INC	CFL/FLU LED
40	8-12
60	13-18
75	18-22
100	23-29
150	30-35
200	48



- 1 Service/feeder Entrance Conductors: 2# 1" rigid conduit, min. 3/4" deep w/ continuous Ground Bonding Conductor. Service/feeder conductors shall be sized per Table 310.15(B)(16) and shall be protected.
- 2 Main Disconnect Switch: UL Listed.
- 3 Main Disconnect Switch: UL Listed.
- 4 Service entrance ground: 1/2" x 10mm steel rod x 8'-0" long and/or concrete encased foundation steel rebar x 20'-0" long.
- 5 Grounding Electrode System (GES): 48" x 48" x 1/2" copper plate, and shall be sized per Item 5, Section 1.4.10.4.1-DND 31" conduit.
- 6 Hanger Panel (MLO): UL Listed, sized per schedule.
- 7 Equipment Disconnect Switch: UL Listed, in weatherproof enclosure, size according to Table 310.15(B)(16).
- 8 Provide ground bond wire to rated piping, size in accordance with the applicable code.

ELECTRICAL RISER DIAGRAM: 200A

SCALE: NONE

ELECTRICAL PLAN NOTES

- 1 INSTALLATION SHALL BE PER 2011 NATL. ELECTRIC CODE.
- 2 WIRE: ALL APPLIANCES, HVAC UNITS AND OTHER EQUIPMENT PER MANUF. SPECIFICATIONS.
- 3 CONSULT THE OWNER FOR THE NUMBER OF SEPARATE TELEPHONE LINES TO BE INSTALLED.
- 4 ALL SMOKE DETECTORS SHALL BE 120V W/ BATTERY BACKUP OF THE PHOTOELECTRIC TYPE, AND SHALL BE INTERLOCKED TOGETHER.
- 5 TELEPHONE, TELEVISION AND OTHER LOW VOLTAGE DEVICES OR OUTLETS SHALL BE AS PER THE OWNER'S DIRECTIONS, & IN ACCORDANCE W/ APPLICABLE SECTIONS OF NEC-LATEST EDITION.
- 6 ALL RECEPTICALS IN SERVING ARE A AND RESTRIMS SHALL BE GROUND FAULT INTERRUPTER TYPE (GFI).
- 7 ALL EXTERIOR RECEPTICALS SHALL BE WEATHERPROOF GROUND FAULT INTERRUPTER TYPE (W/GFI).
- 8 ELECTRICAL CONTR SHALL REPAIR 1/8" BUILT UP SHOP DOGS, INCLUDING ALL ELECTRICAL WORKS, INCLUDING ANY RISER DIAGRAM AS BUILT PANEL SCHEDULE W/ ALL CKTS IDENTIFIED W/ CKT N., DESCRIPTION & BREAK SERVICE ENT, RISER DIA. SHALL INCLUDE WIRE LOCATIONS/ROUTING/DEPTH, TYPE, WIRE SIZE, LOADS, AND ALL OTHER INFORMATION TO OWNER & COPY TO THE PERMIT ISSUING AUTHORITY.

CUSTOM RESIDENCE and AIRCRAFT HANGER for:
DON DOWNS
CANNON CREEK AIRPARK, COLUMBIA COUNTY, FLORIDA
WALL SECTIONS

Celebrating
54 Years of Service
1972 - 2026
N.P. Gesler, Architect
ARCHITECTURE

NICHOLAS PAUL GESLER ARCHITECT

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N.P. Gesler, Architect

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1 OF 1

PROJECT: **A.1**

SCALE: 1/4" = 1'-0"

ELECTRICAL PLAN

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